

INSTALLATION FOR TREATING, IN PARTICULAR FOR COATING, ARTICLES, ESPECIALLY VEHICLE BODIES

Abstract

An installation for treating, in particular coating, articles, especially vehicle bodies, comprises at least one treatment zone, in particular a bath containing a treatment liquid, into which the articles are introduced. The articles are conveyed through the installation in a continuous or intermittent translational movement. To this end, the installation comprises at least two transport carriages combined to form a pair, which in turn each comprise a running gear and at least one swivel arm, which is connected to the respective running gear so as to be swivellable about a first pivot pin and with which a supporting structure for the article to be treated is connected so as to be swivellable about a second pivot pin. The unit consisting of the two transport carriages effecting a correlated movement actually has six degrees of freedom of motion, wherein drives are provided for at least three of these degrees of freedom of motion. The degrees of freedom of motion for which no direct drive is provided are controlled indi-

rectly by the interconnection of the various components. Even very large articles may be introduced, by means of the pair of transport carriages, with virtually any kinematics into the treatment zone, in particular the dipping bath.